

**Table 1. TABLE OF VIOLATIONS
SUNRISE COAL, LLC
Carlisle, Indiana**

Permit No.	Month/Year	Outfall No.	Parameter	Result (milligrams per liter [mg/L])	Effluent Limit (mg/L)
IN0062791	July 2015	005	Manganese	3.4	2.0 (monthly average)
IN0062791	July 2015	005	Sulfate***	520	350 (monthly average)
IN0062791	July 2015	005	Total suspended solids	47	35 (monthly average)
IN0062791	December 2014	005	Sulfate***	700	570 (daily maximum)
IN0062791	December 2014	005	Sulfate***	700	350 (monthly average)
IN0062791	December 2014	005	Chloride***	480	360 (monthly average)
IN0062791	November 2014	005	Sulfate***	720	570 (daily maximum)
IN0062791	November 2014	005	Sulfate***	720	350 (monthly average)
IN0062791	November 2014	005	Chloride***	506	360 (monthly average)
IN0062791	September 2014	005*	Iron	12	6.0 (daily maximum)
IN0062791	September 2014	005*	Iron**	12	3.0 (monthly average)
<p>*Laboratory data sheets for September 3, 2014, from Rosedale Services, Inc. designate sample as 005 Pond C Inflow. Discharge monitoring reports (DMR) reports all data as discharge. Laboratory data sheet from September 2, 2014, states 0 MGD for flow; i.e., no discharge.</p> <p>**Reported as 3 on the DMR; see notes below on miscalculating monthly averages.</p> <p>***Zero flow reported on the DMRs for augmentation water.</p>					

Notes:

1. From January 2013 to June 2014, only the individual permit authorized a discharge of mine water from outfall 001. All discharge monitoring reports (DMRs) for that timeframe report no discharge and that the outfall has not been constructed.
2. In July 2014, outfall 005 was included in the individual permit to authorize discharge of mine water only with the use of augmentation water to meet the water quality-based effluent limits for chloride and sulfate.
3. For the September 2014 DMR, monthly averages for all parameters were calculated by averaging the value of one sample taken with values of "0" for three other days when no discharge was reported. For example, a value of 12 milligrams per liter was measured on September 3, 2014, and the monthly average was calculated using 12, 0, 0, and 0 as the four values, even though no sample was collected on the days of 0 discharge.
4. On September 11, 2014, a discharge occurred from outfall 005 and a sample was taken. Only the parameters of flow, pH, and settleable solids were monitored. Outfall 005 does not have "alternate effluent limits" similar to those specified in the general permit. The September 11, 2014, sample was the second sample of the month; monitoring frequency is monthly for all parameters.
5. In April 2015, discharge from outfall 005 and compliance with all permit limits was reported, but zero flow augmentation water was reported.

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6. On July 1, 2015, a discharge occurred from outfall 005 and a sample was taken. Only the parameters of flow, pH, and settleable solids were monitored. Outfall 005 does not have “alternate effluent limits” similar to those specified in the general permit. It was the second sample of the month; monitoring frequency is monthly for all parameters.